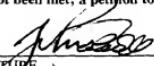


FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER ISIS-3292
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known see 37 C.F.R. 1.5) 09/486623
INTERNATIONAL APPLICATION NO. PCT/US98/19199	INTERNATIONAL FILING DATE 16 September 1998	PRIORITY DATE CLAIMED 16 September 1997
TITLE OF INVENTION PEPTIDE NUCLEIC ACIDS HAVING ANTIBACTERIAL ACTIVITY		
APPLICANT(S) FOR DO/EO/US Peter E. NIELSEN and Liam GOOD		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11. to 16. below concern other document(s) or information included:		
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input checked="" type="checkbox"/> Other items or information: Copy of application as published by the PCT; Copy of Amendment under Article 34 		
<p>EXPRESS MAIL Mailing Label No. EL531272427US Date of Deposit: March 01, 2000 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 MAILER <i>Shelly McKnight</i> SIGNATURE <i>Shelly McKnight</i></p>		

U.S. APPLICATION NO. (If known) 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/US98/19199	ATTORNEY DOCKET NUMBER ISIS-3292
17. X The following fees are submitted:			
Basic National Fee (37 CFR 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO.....		\$840.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482)		\$670.00	
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....		\$760.00	
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....		\$970.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4).....		\$96.00	
ENTER APPROPRIATE BASIC FEE AMOUNT =			
\$670.00			
Surcharge of \$130.00 for furnishing the oath or declaration later than 20 - 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			
\$			
Claims	Number Filed	Number Extra	Rate
Total claims	32-20 =	12	X \$18.00
Independent Claims	6 - 3 =	3	x \$78.00
Multiple dependent claims(s) (if applicable)		+ \$260.00	\$0
TOTAL OF ABOVE CALCULATIONS =			
\$1120.00			
Reduction by ½ for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).			
\$0			
SUBTOTAL =			
\$1120.00			
Processing fee of \$130.00 for furnishing the English translation later than 20 - 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			
+			
TOTAL NATIONAL FEE =			
\$1120.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			
+			
TOTAL FEES ENCLOSED =			
\$1120.00			
Amount to be: refunded \$ charged \$			
a. <input checked="" type="checkbox"/>	A check in the amount of <u>\$ 1120.00</u> to cover the above fee is enclosed.		
b. <input type="checkbox"/>	Please charge my Deposit Account No. 23-3050 in the amount of <u>\$</u> to cover the above fees. A duplicate copy of this sheet is enclosed.		
c. <input type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.		
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.			
SEND ALL CORRESPONDENCE TO:			
John W. Caldwell Woodcock Washburn Kurtz Mackiewicz & Norris LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 (215) 568-3100			
SIGNATURE 			
John W. Caldwell			
NAME			
28,937			
REGISTRATION NUMBER			